

WHAT IS CLAIMED IS:

1 1. A system, comprising:  
2 a first store for storing a first workspace element in a first  
3 format;  
4 a second store for storing a second workspace element which is  
5 an independently-modifiable copy of the first workspace element in  
6 a second format;  
7 a communications channel coupling the first store to the second  
8 store;  
9 synchronization means for synchronizing the first workspace  
10 element and the second workspace element; and  
11 a translator for translating between the first format and the  
12 second format.

1 2. The system of claim 1, wherein the first format is the same as  
2 the second format.

1 3. The system of claim 1 wherein the second format includes  
2 HTML.

1 4. The system of claim 1, wherein the first store is in a LAN.

1 5. The system of claim 1, further comprising a firewall for  
2 protecting the first store.

1 6. The system of claim 1, further comprising a firewall for  
2 protecting the second store.

1 7. The system of claim 1, wherein the synchronization means  
2 includes  
3 a first general synchronization module for examining the first  
4 workspace element at the first store to determine whether it has  
5 been modified; and  
6 a second general synchronization module for examining the  
7 second workspace element at the second store to determine whether  
8 it has been modified.

1 8. The system of claim 7, wherein  
2 the first workspace element and the second workspace element  
3 each include version information; and  
4 the first and second general synchronization modules each  
5 examine the version information of each workspace element to a last

6 synchronization signature to determine whether the workspace  
7 element was modified.

1 9. The system of claim 1, wherein the synchronization means  
2 includes a synchronization-start module for determining when to  
3 initiate synchronization.

1 10. The system of claim 1, wherein the first workspace element  
2 includes a first folder and the second workspace element includes a  
3 second folder.

1 11. The system of claim 10, further comprising a content-based  
2 synchronization module for examining content of the first workspace  
3 element and of the second workspace element when the first  
4 workspace element and the second workspace element have both  
5 been modified since the last synchronization.

1 12. The system of claim 11, wherein the content-based  
2 synchronization module determines if any conflicts exist, and if so  
3 then the content-based synchronization module reconciles the  
4 conflicts.

1 13. The system of claim 11, wherein the content-based  
2 synchronization module determines if any conflicts exist, and if not  
3 then the content-based synchronization module integrates the  
4 changes made to each workspace element.

1 14. The system of claim 1, further comprising a third store  
2 coupled to the second store for storing a third workspace element in  
3 a third format.

1 15. The system of claim 14, wherein the translator translates  
2 between the second format and the third format.

1 16. The system of claim 8, wherein the version information  
2 indicates the status of each workspace element as of the last  
3 synchronization.

1 17. A method, comprising:  
2       accessing a first store storing a first workspace element in a  
3 first format;  
4       accessing a second store storing a second workspace element  
5 which is an independently-modifiable copy of the first workspace  
6 element in a second format;

7       synchronizing the first workspace element and the second  
8 workspace element; and  
9       translating between the first format and the second format.

1   18.   The method of claim 17, wherein the first format is the same  
2 as the second format.

1   19.   The method of claim 17, wherein the second format includes  
2 HTML.

1   20.   The method of claim 17, wherein the first store is in a LAN.

1   21.   The method of claim 17, wherein the first store is protected by  
2 a firewall.

1   22.   The method of claim 17, wherein the second store is protected  
2 by a firewall.

1   23.   The method of claim 17, further comprising  
2       examining the first workspace element to determine whether it  
3 has been modified; and

4 examining the second workspace element to determine  
5 whether it has been modified.

1 24. The method of claim 23,  
2 wherein the first workspace element and the second workspace  
3 element each include version information; and  
4 further comprising the step of comparing the version  
5 information of each workspace element to a last synchronization  
6 signature to determine whether the workspace element was  
7 modified.

1 25. The method of claim 17, further comprising the step of  
2 determining when to initiate synchronization.

1 26. The method of claim 17, wherein the first workspace element  
2 includes a first folder and the second workspace element includes a  
3 second folder.

1 27. The method of claim 26, further comprising the step of  
2 examining content of the first workspace element and of the second  
3 workspace element when the first workspace element and the

4 second workspace element have both been modified since the last  
5 synchronization.

1 28. The method of claim 27, further comprising the step of  
2 determining if any conflicts exist, and if so then reconciling the  
3 conflicts.

1 29. The method of claim 27, further comprising the step of  
2 determining if any conflicts exist, and if not then integrating the  
3 changes made to each workspace element.

1 30. The method of claim 17, further comprising the step of  
2 accessing a third store coupled to the second store storing a third  
3 workspace element in a third format.

1 31. The method of claim 30, wherein further comprising the step of  
2 translating between the second format and the third format.

1 32. The method of claim 24, wherein the version information  
2 indicates the status of each workspace element as of the last  
3 synchronization.

1 33. A system, comprising:

2 means for accessing a first store storing a first workspace  
3 element in a first format;

4 means for accessing a second store storing a second workspace  
5 element which is an independently-modifiable copy of the first  
6 workspace element in a second format;

7 means for synchronizing the first workspace element and the  
8 second workspace element; and

9 means for translating between the first format and the second  
10 format.

1 34. A computer-readable storage medium storing program code for  
2 causing a computer to perform the steps of:

3 accessing a first store storing a first workspace element in a  
4 first format;

5 accessing a second store storing a second workspace element  
6 which is an independently-modifiable copy of the first workspace  
7 element in a second format;

8 synchronizing the first workspace element and the second  
9 workspace element; and

10 translating between the first format and the second format.